## REMARKS

Applicant elects the species of Figure 5, which claims 1-3, 5-8, 16-19, 21-23, 28, 37, 50, 51, 55, 57-59, 63, 64, 111, 114, 116, 127, 131-137, 139, 152, and 155-158 are believed to read on. An amendment is also made to claim 55, claim 56 is cancelled, and the dependency of claims 57-59 is adjusted.

With respect to claims 37-38, Applicant confirms that both remain in the application.

Since the Examiner failed to set a period for responding in the Office Action, it is believed that this submission is timely. However, if for some reason the Examiner disagrees, the Applicant hereby petitions for a two month extension of time and authorizes the Examiner to debit any fees required from Deposit Account 11-0978.

Respectfully submitted,

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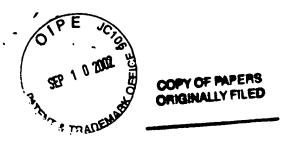
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## **VERSION SHOWING CHANGES MADE**

Please amend claim 55 as follows:

- 55. (Amended) A system for pumping or mixing a fluid in a vessel positioned on a stable support structure, comprising:
  - a magnetic pumping or mixing element for placement in the vessel;
- at least one superconducting element for levitating said magnetic pumping or mixing element;
- a wall defining a chamber for thermally isolating the superconducting element from the vessel;
- a cooling source thermally linked to said superconducting element in said chamber; and
- a motive device for rotating said superconducting element and said wall together.

Please cancel claim 56.

Please amend claim 57 as follows:

57. (Amended) The system for pumping or mixing a fluid according to claim [5] 55, wherein a thermal link to said cooling source extends at least partially through said chamber and directly supports the superconducting element, said wall defining said chamber is supported by a bearing permitting rotational motion, said motive device is a motor coupled to said chamber by an endless belt, and said endless belt transfers the rotary motion produced

by said motor to said wall and said thermal link to rotate the superconducting element.

Please amend claim 58 as follows:

58. (Amended) The system for pumping or mixing a fluid according to claim [56] <u>55</u>, wherein said cooling source contains a liquid cryogen and is attached to and rotates with said wall and chamber.

Please amend claim 59 as follows:

59. (Amended) The system for pumping or mixing a fluid according to claim [56] <u>55</u>, wherein said chamber housing said superconducting element is positioned below said magnetic pumping or mixing element in said vessel.